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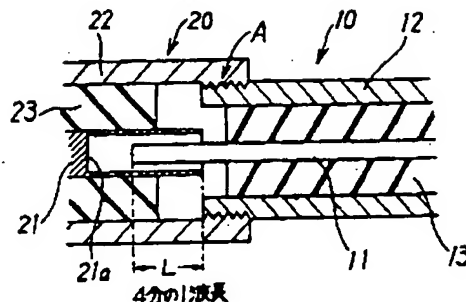
APPLICATION DATE : 18-09-84
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APPLICANT : NEC CORP;

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TITLE : NON-CONTACTING TYPE
CONNECTOR FOR MICROWAVE



ABSTRACT : PURPOSE: To prevent increase in transmission loss at many number of times of connection/disconnection and to reduce the transmission loss by applying a 1/4 wavelength coaxial choke circuit to the connection of an inner conductors in a connector.

CONSTITUTION: Outer conductors 12, 22 of the 1st and 2nd connector elements 10, 20 are connected at a point A by screws. On the other hand, a 1/4 wavelength coaxial choke is formed between inner conductors 11 and 21 of the connector elements 10, 20. Thus, the inner conductors 11, 12 are connected the same as the mechanical contact, while they are under non-contact state. Since no contact resistance is produced on the contact face between the inner conductors, the transmission loss is reduced. Because of the similar reason, the increase in the transmission loss at many number of times of connection/disconnection is prevented.

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